

## ABSTRACT

A method, system, device, and computer code product is disclosed in which a sender transmits data to a plurality of receivers via a point-to-multipoint session. The receiver sends data repair requests to the sender requesting data expected but not received and the sender retransmits the expected but not received data via the point-to-multipoint session. The sender can also schedule point-to-point data repair sessions with individual receivers if the retransmission via the point-to-multipoint session does not correct all errors. The sender can be configured to delay point-to-point repair sessions using a randomization mechanism based on the number of receivers using the point-to-multipoint session.